

bursts during one or more of said time slots in a frame, the method comprising:

monitoring at least one criterion associated with heat generated by the transmitter; and

providing a signal responsive to the at least one monitored criterion for controlling at least one output criterion of the transmitter,

wherein one of the at least one monitored criterion comprises the number of transmitted data bursts in a frame.

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19. (Amended) A method for controlling a transmitter of a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each consisting of a predetermined number of time slots, the transmitter transmitting data bursts during one or more of said time slots, the method comprising:

monitoring the transmission power level of the communication apparatus; and comparing the monitored transmission power level with a pre-determined limit and changing the maximum allowed transmission power level in response to the monitored transmission power level,

wherein the monitored transmission power level is compared with a pre-determined power transmission level and if the monitored transmission power level is above said pre-determined level then the maximum allowed output transmission power level is decreased by changing the power classmark of the portable radio communication apparatus.

21. (Amended) A radio telephone system comprising a portable radio

63 communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each consisting of a predetermined number of time slots, the apparatus having a transmitter for transmitting data bursts during one or more of said time slots in a frame, the system including monitoring means for monitoring at least one criterion associated with heat generated by the transmitter, at least one output criterion of the transmitter being responsive to the monitored criterion, wherein one of the at least one monitored criterion comprises the number of transmitted data bursts in a frame.

94 39. (Amended) A radio telephone system comprising a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each consisting of a predetermined number of time slots, the apparatus having a transmitter for transmitting data bursts during one or more of said time slots in a frame, the system including monitoring means for monitoring the transmission power level of the transmitter and comparing means for comparing the monitored transmission power level with a pre-determined limit and a processor for changing the maximum available transmission power level of the communication apparatus in response to the monitored transmission power level, wherein the monitored transmission power level is compared with a pre-determined power transmission level and if the monitored transmission power level is above said pre-determined level then the maximum allowed output transmission power level is decreased by changing the power classmark of the portable radio communication apparatus.